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Experiment: 37. Write a Python function to subtract the foreground of the given input image based on color levels using Open CV.

Code:

```
import cv2  
  
import numpy as np  
  
i = cv2.imread("image.jpg")  
  
hsv = cv2.cvtColor(i, cv2.COLOR_BGR2HSV)  
  
l = np.array([0, 50, 50])  
  
u = np.array([180, 255, 255])  
  
m = cv2.inRange(hsv, l, u)  
  
fg = cv2.bitwise_and(i, i, mask=m)  
  
cv2.imshow("Foreground Extracted", fg)  
  
cv2.waitKey(0)  
  
cv2.destroyAllWindows()
```

Input and Output:

